

19971011.qrp v00_n875.qrs.971011

Date: Sat, 11 Oct 1997 19:03:13 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 875

QRP-L Digest 875

Topics covered in this issue include:

- 1) [28541] Re: Does Your Dog know CW???
by Cecil A Moore <Cecil_A_Moore@ccm.ch.intel.com>
- 2) [28542] Re: Does Your Dog know CW???
by Roger Hightower <n7kt@dancris.com>
- 3) [28543] Re: QRP flashlights (here's the source)
by talljazz@teleport.com (Dan Presley)
- 4) [28544] Fall TFE sale
by "J. Skalski" <jskalski@acsu.buffalo.edu>
- 5) [28545] Re: New Kit, Sour Grapes
by Clay N4AOX <wyn@worldnet.att.net>
- 6) [28546] Fall QSO Party--mW Style
by Paul Stroud <aa4xx@ipass.net>
- 7) [28547] Re: FOX: Rude 'N9' station (LONG)
by NilsBull@aol.com
- 8) [28548] Re: Pacificon Postpony tale &c
by NilsBull@aol.com
- 9) [28549] Alaska FOX-L Award - Announcement de AL7FS
by "Jim, Nancy, Juliann, and Issei" <larsennc@alaska.net>
- 10) [28550] FOX: Week 2 (Not so LONG)
by "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
- 11) [28551] Re: Pixie Sidetone
by "Kevin F. Glynn" <kfglynn@prodigy.net>
- 12) [28552] Re: FOX: Rude 'N9' station
by Hank Kohl K8DD <k8dd@contesting.com>
- 13) [28553] Swap meet
by Norm Melick <henmel@worldnet.att.net>
- 14) [28554] FS: TenTec C/21 Digital
by c0k@bellatlantic.net
- 15) [28555] 38S Kit or PC board wanted
by Jerry Conover <Jerry.Conover@nau.edu>
- 16) [28556] FOX audio files and UNHAPPY ISP!!!
by Jess Gypin <jessqrp@concentric.net>
- 17) [28557] FISTS CW Fall Sprint
by n4so@juno.com (charles k brown)
- 18) [28558] Re: HB: weak signal enhancement
by Bigbob97@aol.com
- 19) [28559] PA QSO Party

by "Ron Polityka" <wb3aal@talon.net>
20) [28560] Re: WA8MCQ: "JOY is back on the streets--Hot Damn!"
by adams@chuck.dallas.sgi.com (Chuck Adams)
21) [28561] Re: FOX: Rude 'N9' station (LONG)
by Lynn Simons <lsimons1@ix.netcom.com>
22) [28562] vertical-plane deltas as all-band antennas
by "L. B. Cebik" <cebik@utkx.utcc.utk.edu>
23) [28563] NTE 295 What is its equivalence?
by Paul Helbert <phelbert@rica.net>
24) [28564] Re: NTE 295 What is its equivalence?
by dzn1@juno.com (Howard D Rubin)
25) [28565] For Sale - TenTec Delta II
by Kr0i2@aol.com
26) [28566] Building Season Is Here -- It's Snowing!
by "Bob Follett" <bfollett@ditell.com>
27) [28567] CHANGES SUNDAY NITE N/T+ HUNT
by ARDUJENSKI@aol.com
28) [28568] Joy of QRP
by Steve Miller <kg7pv@teleport.com>
29) [28569] Re: Building Season Is Here -- It's Snowing!
by adams@chuck.dallas.sgi.com (Chuck Adams)
30) [28570] Re: CHANGES SUNDAY NITE N/T+ HUNT
by adams@chuck.dallas.sgi.com (Chuck Adams)
31) [28571] [Fwd: Building Season Is Here -- It's Snowing!]
by "Floyd Soo, W8RO" <hires@rust.net>
32) [28572] Re: QRP flashlights!
by DYARNES@aol.com
33) [28573] Re: CW/SSB ratio=18dB. How?....
by Vic Rosenthal <rakefet@rakefet.com>
34) [28574] Re: CHANGES SUNDAY NITE N/T+ HUNT
by Bob Hightower <ki7mn@dancris.com>
35) [28575] RE: Does your dog know CW
by Jeff Grudin <grudin@pacific.vdbs.com>
36) [28576] Re: Does your dog know CW
by Roger Hightower <n7kt@dancris.com>
37) [28577] Re: sw listening
by w4bws@juno.com (Donald E Sanders)
38) [28578] Re: sw listening
by w4bws@juno.com (Donald E Sanders)
39) [28579] Arkansas QRP Nets - mobile
by Jim <kj5tf@mctc.com>
40) [28580] Calling the Fox/Single call
by n4so@juno.com (charles k brown)
41) [28581] Heath HWA-7-1 case - F.S. Cheap
by Gary M - W2UX <MAIL4GARY@worldnet.att.net>
42) [28582] Re: CW/SSB ratio=18dB. How?....
by Michael <MichaelN@cycat.com>
43) [28583] [re: sw listening]

- by "Floyd Soo, W8R0" <hires@rust.net>
- 44) [28584] Another component question
by Paul Helbert <phelbert@rica.net>
- 45) [28585] QRP Contest Calendar
by camqrp@cyberg8t.com (Cam Hartford)
- 46) [28586] Re: Pixie Sidetone/club pjt.
by bcutter@teal.csn.net (Bob Cutter)
- 47) [28587] Mono vs Ceramic Caps
by Ed Tanton <n4xy@bellsouth.net>
- 48) [28588] Pixie Contest Announcement
by Randy Hargenrader <randyh@harksystems.com>
- 49) [28589] Joy Oh Joy of QRP
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 50) [28590] Delta Loops
by John Anthony Reynolds <D2250077@infotrade.co.uk>
- 51) [28591] Re: NTE 295 What is its equivalence?
by "Bob Edwards, W4ED" <w4ed@flash.net>
- 52) [28592] Re: Alaska FOX-L Award - Announcement de AL7FS
by "Jerry E. Davis Jr." <jdkb5eko@flash.net>
- 53) [28593] Re: CW/SSB ratio=18dB. How?....
by DYARNES@aol.com

Date: Fri, 10 Oct 97 16:41:00 PDT
From: Cecil A Moore <Cecil_A_Moore@ccm.ch.intel.com>
To: qrp-l@Lehigh.EDU
Subject: [28541] Re: Does Your Dog know CW???

>From: Paul Harden <pharden@aoc.nrao.edu>
>He's got one CW character down. Maybe I should start teaching him
>the Q signals next ... hmmm. 72, Paul NA5N

Hi Paul, I had a lab/husky half-breed named Rascal. He would lay on the floor dozing while I was on CW. It took me awhile to realize it, but when I sent --... -- he would get up, shake himself, and wait for me by the door. I almost always go get a drink or snack after a QSO and he recognized my behavior pattern starting with '73'. Dang, I sure miss that big ol' yellow dog.

73, Cecil, W6RCA

Date: Fri, 10 Oct 1997 17:01:30 +0000
From: Roger Hightower <n7kt@dancris.com>

To: qrp-1@Lehigh.EDU
Subject: [28542] Re: Does Your Dog know CW???
Message-ID: <343E5F6A.101F@dancris.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I too have a Springer Spaniel. She learned the sound of "S" and "D" when I was training her to sit, down, stay, etc. Worked great for a while, until one CW contest when I used a speaker.

She immediately left the shack and hasn't responded to those characters since.

--

72/73, de Roger, N7KT
AK-QRP 167, ARCI 8946, CQC 176, GQRP 9081, NE-QRP 383, NORCAL 1099,
QRP-L 62

Date: Fri, 10 Oct 1997 17:04:17 -0700
From: talljazz@teleport.com (Dan Presley)
To: w7ls@brigadoon.com
Cc: qrp-1@Lehigh.EDU
Subject: [28543] Re: QRP flashlights (here's the source)
Message-ID: <v01530500b0644d6dd84d@[206.163.125.144]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Since I live here in Portland where the 'flashlight guy' does, I'll try to go check it out and report back. Might be able to do some discount purchases.

Dan N7CQR

Date: Fri, 10 Oct 1997 20:16:44 -0400 (EDT)
From: "J. Skalski" <jskalski@acsu.buffalo.edu>
To: qrp-1@Lehigh.EDU
Subject: [28544] Fall TFE sale
Message-ID: <Pine.GS0.3.96.971010200023.27581A-100000@joxer.acsu.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have a *FALL CLEARANCE* sale for QRP-L members.

If you are thinking of building in the fall and winter season or trying a low noise receiving loop or other antenna.....

Silver plated, stranded 22 AWG Teflon insulated hookup wire assortments:

TEN rolls- 50 Feet each (500 ' total) in an assortment of 5 or more
colors

This wire is used in military contracts due to its high quality, durability and overall high reliability. It is rated at 200dC and 600V. It is found in the *best* equipment and kits.

It solders *very* nicely and it will not melt under ordinary soldering conditions. It is almost *Badger Proof* unlike cheaper grades of wire.

The *500 FOOTER* assortment pack is \$20 (shipped priority 2 day mail-US.

1000' rolls of 22 and 24AWG TFE stranded/silver plated available for
\$30 plus UPS charges.

The only stipulations are that the buyer supply a shipping label and must get prior confirmation of wire offer.

If interested reserve some wire by email.

Did I mention that I want to move some wire :-)

This weekend I want to hide a receiving loop in my gutters around my house. Both ends of the loop will run out the downspout to my shack. I could hide one in my attic but I am too lazy. I wish I had room for a Beverage antenna...I have enough wire.

73,

Jim N2GO
The Buffalo QRP CONNECTION
ARCI #9013 QRP-L #381
Life member ARRL
jskalski@acsu.Buffalo.EDU

Date: Fri, 10 Oct 1997 21:25:12 -0400
From: Clay N4AOX <wyn@worldnet.att.net>
To: adams@chuck.dallas.sgi.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [28545] Re: New Kit, Sour Grapes
Message-ID: <343ED578.698C@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Chuck Adams wrote:

>
> Bob et.al.,
>
> You know you are right. I can see your side and your point
> of view and it is well taken.
>
> With 2,000+ readers I guess it is hard to remember that there is a burden

You know, I was thinking that the bigger burden may be on the NORCAL "Insiders" who may be sweating bullets, praying that the new device meets the expectations, stirred to a "fever pitch" by this gigantic promotional scheme via the internet. Do you remember "The New Taste of Coke" promotion a few years back? ;-)

72/73,
Clay N4AOX

Date: Fri, 10 Oct 1997 22:12:47 -0400
From: Paul Stroud <aa4xx@ipass.net>
To: klqrp <klqrp@acpub.duke.edu>
Cc: QRP-L <QRP-L@Lehigh.EDU>
Subject: [28546] Fall QSO Party--mW Style
Message-ID: <343EE09F.4E8@ipass.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Gang,

The "Mighty-Lite-Knights" will be operating next weekend's ARCI Fall QSO Party from Fall's Lake north of Raleigh, NC. The contest begins at 8AM EDT Saturday, Oct 18th, and runs thru Sunday evening. We plan on operating until noon or so on Sunday the 19th.

At this time we are planning on running one station. Our proposed power will be 250 mW and our call will be AB4PP. Several local KnightLites have expressed an interest in participating in this event.

For those of you who have never participated in one of the ARCI QSO Parties, you are in for a treat. The QRP frequencies will be sounding like Field Day--especially 20, 40, and 80M, and--yes--250 mW is more than enough power to make yourself heard (even by our Left Coast QRP brethren.)

The Mighty-Lite-Knights are laying down the gauntlet and will be supplying crying towels for the ScQRPions, Zuni's, Texas Yahoos, and any other portable groups that want to take us on...

We look forward to hearing you all next weekend!

72 de Paul AA4XX

Directions to the site:

>From areas West of RTP:

Take I-85N to Durham
Exit off of I-85N onto Hwy 70 East toward Raleigh
Exit off of Hwy 70 E onto Hwy 98 East toward Wake Forest
Continue East on 98. Cross over Hwy 50 (continuing on 98E)
One mile East of the Hwy 50 intersection, turn left onto New
Light Road.
Go approx 2 miles. The entrance to Holly Point State
Recreational Area will be on your right. Ask the ranger at the
gate for directions to campsite #23, "where the radio guys
are."

>From the Raleigh area:

Come up Hwy 50 from the Crabtree Valley area. Turn right onto 98E.
Follow directions above. NOTE: New Light Road is an extension of
Six Forks Road. If you're heading up to Falls Lake via Six
Forks Road, once you cross Highway 98, Six Forks becomes New
Light Road.

At this time we are planning on using one campsite. If enough folks want to come, we will give some thought to setting up a second station at an adjacent campsite. (Additional campsites cost \$17.50 per night).

We invite anyone who might be interested in joining us to come up to Falls Lake and join in the fun. We do need to submit a list of operators to the Contest Chairman by Friday, so let us know ASAP if you would like to be listed as one of the operators. This will also allow us to plan for an additional station if needed.

Restroom facilities (including showers) and water are close by. Electricity is also available at the campsite. Bring personal camping gear, food for yourself, and your favorite keyer/paddle. Speaking of food, JP is bringing his cooker, so bring some ribs or chicken to throw on the grill!!!!) The radio gear and antennas will be taken care of by AB4PP and AA4XX.

The Park gates open at 8AM each morning and close at 8PM. NO ONE CAN DRIVE INTO OR OUT OF THE PARK BETWEEN 8PM AND 8AM unless there is an emergency: However, you may park your car outside the gate and walk back and forth between our site and your car. This way, you can leave the park any time after the main gate closes.

Presently, the following Knights plan to participate:

AB4PP John Paul
WF4I Derek
WA4NID Dave
N1SB Steve
AA4XX Paul

Please feel free to give me a holler if you have any questions.
It's gonna be fun, dudes...
de Paul (919) 779-1637

Date: Fri, 10 Oct 1997 22:24:42 -0400 (EDT)
From: NilsBull@aol.com
To: qrp-1@Lehigh.EDU
Subject: [28547] Re: FOX: Rude 'N9' station (LONG)
Message-ID: <971010222252_-992680635@emout18.mail.aol.com>

Gang,

I also want to apologize for being the rude N9 station that everyone is talking about. I didn't even know that I was on the air. I might have been, but I was just that same night getting my otter implants from the two grey skinned dudes that sold me the picture of the new NorCal kit (which is not a spectrum animalizer, I can tell you that, having myself been in on a lot of those animalizations that happen around Area 51 and all). There were these

comma splices, see? And all I could do was, like press on the key or something? As if! Shaw!

Bless me, padre, for I have sinned. My last confession was probably about two millenia ago, when I was channeling for the Pharoah of Contact, Maxim Hershwell Monctezuma Gutierrez-Olsen Billy-Bob Bojangles XXIII, which is about, what, 30 years ago? For a penance I'll hit myself. Really hard. Again. Again. Again. Harder.

Ok?

73

Nils

WB8IJN &c

. . . "Like I think I just figured something out, Beavis."

Date: Fri, 10 Oct 1997 22:24:50 -0400 (EDT)
From: NilsBull@aol.com
To: pharden@aoc.nrao.edu, qrp-l@Lehigh.EDU
Subject: [28548] Re: Pacificon Postpony tale &c
Message-ID: <971010222255_879105605@emout19.mail.aol.com>

In a message dated 97-10-10 18:35:50 EDT, pharden@aoc.nrao.edu sez: "Let's make it even worse for poor ol' Joe. Nobody mention a thing on QRP-L about the new kit for two weeks after PacifiCon or answer his private emails about it. We'll drive him nuts!"

Paul has a good idea. I have another one.

How about we do it to each other. No one will post anything to anyone else about anything for a week after Pacificon and we'll all go nuts. Then we can get out the cheese otters, release the flying monkey badgers, undo the ties on the tasmanian spotted grumbling fossils and we'll all meet on 3968 kHz with enough total amassed RF power to make WB4REN's blower noise fade into the Stachoistic background.

Ok? Not another word. About anything. As of this very ;df1761p34q5907qa[
'glkdfn
[]
f al;kjsd;foqie7r5-q[p
]WB8 I
a sdja'tbp J
]\ sj -----N-----ads'kyj4qp5o87

Date: Fri, 10 Oct 1997 18:46:00 -0800
From: "Jim, Nancy, Juliann, and Issei" <larsennnc@alaska.net>
To: qrp-1@Lehigh.EDU
Subject: [28549] Alaska FOX-L Award - Announcement de AL7FS
Message-ID: <343EE868.5DB7@alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

It is time to establish a new award from Alaska. It will be called:

The Alaska FOX-L Award

The FOX-L stands for Fox-Listen which is about all I get to do. :-)

Here are the rules for the Alaska FOX-L Award:

1. Stations must copy a minimum of ten (10) Fox hunters in one evening to qualify for the basic award of the Alaska FOX-L.
2. Additional Achievement Endorsements can be earned for each additional 10 stations copied and entered into your FOX-L log. These endorsement listens do not have to be done in one night.

Why FOX-L? Well, I would like others to do more listening so I won't feel so alone. :-) Participants get the practice of copying stations in a pileup instead of just listening for the FOX or just working the FOX and then going away. Maybe by listening more fully, participants will learn how not to work a pileup as well as how to work a pileup. Also, I get to have some fun.

The FOX-L Award will be done on the honor system. Send me the list of the stations listened and the level of award requested along with an SASE and I will send out the basic award or endorsement with a real Alaskan postmark. The basic award will need a large certificate size envelope and 55 cents postage. The endorsements will just need a regular size SASE with 32 cent postage.

You will do your own duplicate checking and the endorsements only require the 10 stations listened for that level of endorsement. I trust you to keep your own FOX-L list clean.

Standings for Alaska FOX-L will be published to our very own QRP-L.

So get out there and Listen.... FOX-Listen....and earn your Alaska FOX-L Award.

73, Jim Larsen, AL7FS
3445 Spinnaker Drive
Anchorage, AK 99516-3424
larsennc@alaska.net

Date: Sat, 11 Oct 1997 02:57:53 -0400
From: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
To: qrp-l@Lehigh.EDU
Subject: [28550] FOX: Week 2 (Not so LONG)
Message-ID: <3.0.16.19971011025655.20879bb4@som-uky.campus.mci.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

IT MIGHT HAVE BEEN... It COULD have been... it wasn't.

Ugh. Week 2 is history. An exciting study in propagation, tempered by the fact that neither Fox was contacted. Yup, the propagation gods sure had my hopes up the first week... then reality sets in, and you realize that it's called the Fox *HUNT* for a reason. You also realize that it helps to read the schedule, and assume nothing.

--- Oct 8 --- N8VAR

I was there. I was ready. 0000z... where's everybody at? Hello? Pileup? At around 0030z I pick out a few callers - left coasties, mostly. Signals kind of weak, though. Most good sigs coming from Europe - big signals - S-9. A chirpy C02 lands a couple hundred down, and starts up a qso. I move up a lil. I lose the pileup (what you would call a pileup). There's a few DL's calling cq. No sign of VAR. After about an hour and a half, it comes to me that he is in Dayton, practically my back yard! It's 10pm on 40m, and I'm listening for Dayton, OH... not going to happen, my friend. But I continued to listen the entire 2 hour period. Nothing. Oh well, I'll chalk this one up to being a lil too far inside the skip zone. PA is a lil farther out, so I should have a little better luck when he comes on T-h-u-r-s-d-a-y.

--- Oct 9 --- NR3Z

Jump cut to 0030z Thursday night. I'm engrosed in a great book on hiking the Appalachian Trail. The rig is parked on 7037. I look up at the clock - #\$\$^&! It's 0030! I toss the book down, and leap over to the operating position. But hey, I never did hear anything that sounded like a pileup while I was reading. Hmm. Ok, there's a W3 signing with a VE3 - alright! The band hasn't opened up yet. If I'm going to work him, I've got to get it done before things stretch out. Still no pileup, though. I bet he sneaked up a few kc's. I'll listen up a bit. What was his call again? I reach over and pick up the schedule... let's see... PA... NR3Z... ok... Oct 9... ok... HUH? My watch already reads Oct 9. That's not right! Surely I didn't - AAArrrrggghhh! I did! I'm a day late! What was I thinking? Why on Earth did I think that the Foxii run only on Tuesday and Thursday nights? Yep, the fox ran 24 hours and 30 minutes ago, and even though I'm by myself, my face turns red with embarrassment. I sit back down, open my book, and stare straight ahead for the next several minutes. My bag is empty this week.

...Rich

Rich Dailey, KA8OKH <ka8okh@som-uky.campus.mci.net>
The KA8OKH / KB4NPI Web - <http://www.qsl.net/ka8okh>

Date: Fri, 10 Oct 1997 17:35:30 -0400
From: "Kevin F. Glynn" <kfglynn@prodigy.net>
To: <fmathews@norfolk.infi.net>, "Low Power Amateur Radio Discussion" <qrpl@Lehigh.EDU>
Subject: [28551] Re: Pixie Sidetone
Message-ID: <199710110326.XAA112206@pimout1-int.prodigy.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi Frank, Chuck and gang,

Please let me know how you managed this as well. I'm getting at least 10+ local club members involved in building the Pixie II in a couple of weeks.

I appreciate the help.

72 Kevin N2TO

Brooklyn, NYC
kfglynn@prodigy.net

Date: Sat, 11 Oct 1997 00:09:43 -0400
From: Hank Kohl K8DD <k8dd@contesting.com>
To: sjolin@swbell.net
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [28552] Re: FOX: Rude 'N9' station
Message-ID: <2.2.32.19971011040943.007393f4@tir.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 02:49 PM 10/10/97 -0500, Dave Sjolín wrote:

>John Bohnert wrote:

>>

>> When taken to the extreme the logic may be faulty, but I believe I
>> cannot call "too many times" IF I do not interfere with an ongoing
>> exchange between the FOX and the hunter or stand-by when, for example,
>> the FOX sends N1?? As long as the FOX has not given any indication,
>> through a transmission that a contact is initiated, I feel I (and
>> others) can continue to call.

Sure, if you're an N1.

*/ Hank Kohl K8DD k8dd@contesting.com
*/ ARRL TS (k8dd@tir.com)
*/ MI-QRP - Vice Pres. QRP-ARCI - Director
*/ G-QRP ARRL/LM QCWA/LM QCAO/LM

Date: Fri, 10 Oct 1997 21:24:00 -0700
From: Norm Melick <henmel@worldnet.att.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [28553] Swap meet
Message-ID: <343EFF60.78DF@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Could someone in California tell me where the Foothill swap meet is held?

Never been there before and would like to attend.

Thanks,

Norm

Date: Sat, 11 Oct 1997 00:49:14 -0400
From: c0k@bellatlantic.net
To: qrp-l@Lehigh.EDU
Subject: [28554] FS: TenTec C/21 Digital
Message-ID: <343F054A.23E0@bellatlantic.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Would anyone be interested in buying a
TenTec Century/21 Digital? The radio looks
great, TenTec has it at this time making it
work as new again, "it had minor filter problem".
It will probably be a week or so before I could
ship it out.

If interested let me know___Tnx Curt/Ka3ivb QRP-L #433

Date: Fri, 10 Oct 1997 22:19:20 -0700
From: Jerry Conover <Jerry.Conover@nau.edu>
To: qrp-l@Lehigh.EDU
Subject: [28555] 38S Kit or PC board wanted
Message-ID: <343F0C57.5E1D41B@jan.ucc.nau.edu>
Content-return: allowed
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Bummer! I bought the custom enclosure for a 38 Special kit, only to
find out the kit is out of stock! Does anyone have either the full kit
or just the printed circuit board for a 38 Special they'd be willing to
part with? I'd surely like to find it, so let me know ... pleeeeeeeze!

72 de AB7II

Jerry

Date: Sat, 11 Oct 1997 00:00:44 -0600
From: Jess Gypin <jessqrp@concentric.net>
To: qrp-1@Lehigh.EDU
Subject: [28556] FOX audio files and UNHAPPY ISP!!!
Message-ID: <343F160C.43F5@concentric.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi all,

I have had my webpage up for almost a year and have NEVER had any complaints about waht I store there or how big it is. Well, apparently they got a cobb up their servers backside and are complaining about the "bandwidth usage" that all of you fine fellers are a usin' downloading the fox audio files. I say HOORAY!!!!!! That shows me just how many of you are interested in the files. I have REMOVED the files from my (might be former) precious ISP's server and have put them elsewhere! The new location is

<http://www.qsl.net/n0tfi>

There is a link on my other web page that points to this one. HAVE a look and let me know what you think!

Best

--

Jess N0TFI <><

<http://www.concentric.net/~jessqrp>

qrp-1 #1232 CQC #92 1997 Fox

and fox audio files at <http://www.qsl.net/n0tfi>

Date: Sat, 11 Oct 1997 06:21:39 EDT
From: n4so@juno.com (charles k brown)
To: qrp-1@Lehigh.EDU
Subject: [28557] FISTS CW Fall Sprint
Message-ID: <19971010.171808.7743.2.n4so@juno.com>

Saturday is FISTS CW Fall Sprint
1700Z until 2100Z Oct 11

Exchange name, state/province/country and FISTS number if you are a

member and power output if not a member.

Full rules are in a saved text file called Fists.txt on the home computer. Request "fists".

Ken Brown, N4SO
QTH nr Mobile, AL/ EM50tk
qrp-l #622
n4so@juno.com

Date: Sat, 11 Oct 1997 06:35:19 -0400 (EDT)
From: Bigbob97@aol.com
To: QRP-L@Lehigh.EDU
Subject: [28558] Re: HB: weak signal enhancement
Message-ID: <971011063518_660324773@emout02.mail.aol.com>

Steve and Dan,

Isn't this "synchronous detection" which is what the Sony 2010 uses to beef up AM SW reception?

Bob WB2DHK in Jersey City, NJ

Date: Sat, 11 Oct 1997 10:55:04 -0400
From: "Ron Polityka" <wb3aal@talon.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>, "County Hunter" <Majordomo@qth.net>
Subject: [28559] PA QSO Party
Message-ID: <01bcd655\$a8a54960\$245445c6@default>
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="-----=_NextPart_000_003C_01BCD634.2193A960"

This is a multi-part message in MIME format.

-----=_NextPart_000_003C_01BCD634.2193A960
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Hi All,

Date: Sun, 12 Oct 1997 06:41:03 -0500
From: Lynn Simons <lsimons1@ix.netcom.com>
To: johnb@elmhurst.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [28561] Re: FOX: Rude 'N9' station (LONG)
Message-ID: <3440B74E.E713712C@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

John Bohnert wrote:

> JFKluender wrote:
> >
> > Friends,
> > If I was the "N9" station that someone threw a jab at recently
> for
> > calling too often during Marty's run at being the fox, then I
> apologize for
> > my poor operating. Let me put out a few explanations (not excuses)
> for last
> > night...
> >
>cut.....
>
> > Have fun, God Bless, & see ya in the next hunt...
> >
> > Joel, NF9K
>
> I wish to join fellow QRP'er Joel and offer my apologies as well, if I
> am
> the offending "N9." The FOX hunt on October 8 was my first. I do wish
>
> to enter into this wonderful world of QRP as a "good citizen," not a
> "lid!"
>
> Based upon my experience and my interpretation of that experience, I
> wish to put forward conclusions I have reached about my mode of
> operation in a pile up. Admittedly, they have been reached through
> chasing DX, but with barefoot rigs (DX-60B, Triton, Omni V). If these
>
> conclusions are inappropriate for the world of FOX hunts, Spartan
> Sprints, Bumblebee Events, I (like Joel) would like some constructive
> criticism.
>
> When taken to the extreme the logic may be faulty, but I believe I
> cannot call "too many times" IF I do not interfere with an ongoing

> exchange between the FOX and the hunter or stand-by when, for example,
>
> the FOX sends N1?? As long as the FOX has not given any indication,
> through a transmission that a contact is initiated, I feel I (and
> others) can continue to call. The previous statements make sense to
> me,
> particularly if I have "good ears." By "ears" I mean...do I have
> break-in and is the break-in between letters or words or slightly
> elongated spaces? do I hear the FOX on every exchange...sometime,
> always? do I hear the hunter's transmission...never, sometimes,
> always?
> what is the general level of "rst" throughout the pile-up, for both
> the
> FOX and the hunter? what is the timing of my call in terms of speed
> and
> number of times sent relative to the rhythm of exchanges in the
> pile-up? Anything less than good ears means I am in danger of calling
>
> too many times, that is, I will interfere with the exchanges in pile-up
>
> conditions...even if I send my call once...or twice! For me it is
> interference which needs to be the standard against which to measure
> the
> number of times a call is sent. Possibly in the world of QRP pileups,
> two calls is the maximum number to be sent at one time for each
> cycling
> of the pileup??? I will acknowledge that in responding to a general
> CQ
> (no pileup implications) the sending of your call once-twice(?) is an
> appropriate and skillful strategy.
>
> I know what it means to get stomped on in the DX pileups (it happens
> to
> me a lot), because I do not have the high power or significant
> aluminum
> standing in my city lot. I have interpreted the times when I get
> stomped
> on, not as the result of too many calls, but rather, the result of
> someone who has "poor ears." I have no intention of deliberately
> depriving any fellow QRPer of their FOX pelt. I do not wish to leave
> footprints during these hunts!
>
> On Wednesday night I had a pipeline to the FOX. Never below 459,
> usually 559/579. I could hear everyone of the FOX transmissions. I
> heard about 90 per cent of the hunter transmissions. I have breakin
> capability with my QRP rig. FOX could copy faster than "he" was
> sending. The rhythm of the pileup was approximately two of my calls
> at

> the beginning of the hunt. At another time the pile-up was slightly
> longer than my sending of one call. Later the pileup was equivalent
> to
> three of my calls...FOX was working a series of "5's"...things were
> slowing down relative to my call (as a clock). Approximately 40
> minutes
> after the beginning of the hunt, the pileup would fade to virtually no
>
> callers with no response from the FOX. Two times in about a 5 minute
> period the FOX restarted the pileup by calling CQ FOX on one occasion
> and QRZ? on the second occasion. The only callers FOX acknowledged at
>
> this time were the calls that trailed along at the end of the pile
> up...I could hear the stations continuing to call until FOX
> acknowledged
> them. After FOX worked about 4-5 "trailers" (with the trailers
> sending
> their call at least three times that I was able to hear before the FOX
>
> returned their call), I decided to adapt my hunting strategy to the
> traits of my quarry. I waited until the pile-up was almost gone
> (without
> sending my call), paused, no response from FOX to the pile-up (just
> like
> the previous 4-5 contacts), and then I called. I bagged the FOX one
> hour
> into the hunt.
>
> Have fun, God bless, and see you in the next hunt!!
>
> With trepidation
> 72
> John QRP-L #1257 N9KW Elmhurst, IL. HW-8 (soon for sale) Sierra
> (on
> order) Omni V (being mod for QRP)

John,

I for one would like to say that you have a very courteous and well
working method of operating. I think you have hit on the most important
aspect of working pile ups....listening to what the station is doing! As
many have suggested on this list, this is very beautifully described in
Bob Locher's book, "The Complete DXer." I think what you do is exactly
what should be done in any pile up. Keep up the good work.

73/72,

Lynn, KJ3V

"I only have a few watts, but I use them wisely!"

Date: Sat, 11 Oct 1997 08:05:40 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: towertalk@contesting.com, antennas@qth.net, QRP-L List <qrp-l@Lehigh.EDU>, gqrp-l@blacksheep.org
Subject: [28562] vertical-plane deltas as all-band antennas
Message-ID: <Pine.SOL.3.94.971011080121.5445A-100000@utkux4.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

In providing some modeling data to the G-QRP list in answer to some questions, I developed some notes, which I have now placed at the web site. They contain some corrected numbers (errors of transcription) as well as some pattern plots to allow one to visualize the tabular data.

-73-

LB, W4RNL

L. B. Cebik, W4RNL	/\	/\	*	/	/	/	(Off)(423) 974-7215
1434 High Mesa Drive	/	\	\	\	----	/\---	(Hm) (423) 938-6335
Knoxville, Tennessee	/\	\	\	\	/	/	(FAX)(423) 974-3509
37938-4443 USA	/	\	\	\	\		cebik@utk.edu
URL: http://funnelweb.utcc.utk.edu/~cebik/radio.html							

Date: Sat, 11 Oct 1997 09:01:26 -0400
From: Paul Helbert <phelbert@rica.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [28563] NTE 295 What is its equivalence?
Message-ID: <343F78A5.2939983D@rica.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi gang,

I have a couple of devices in T0-220 cases that I can not find any information on. I solicit your help.

Thanks,

Paul, Wv3j

Date: Sat, 11 Oct 1997 09:24:51 -0400
From: dzn1@juno.com (Howard D Rubin)
To: QRP-L@Lehigh.EDU
Subject: [28564] Re: NTE 295 What is its equivalence?
Message-ID: <19971011.092720.6462.0.dzn1@juno.com>

Wow, could be anything.

There must be some marking on the body of the device. What is it?

The T0-220 is a package style, and not related to a particular device function. Could be a voltage regulator, PowerFET, NPN Power Transistor, Bipolar Switch ... who knows!

Regards, Howard - N3FEL

On Sat, 11 Oct 1997 09:01:26 -0400 Paul Helbert <phelbert@rica.net> writes:

>Hi gang,

>

>I have a couple of devices in T0-220 cases that I can not find any information on. I solicit your help.

>

>Thanks,

>

>Paul, Wv3j

>

>

>

Date: Sat, 11 Oct 1997 09:48:35 -0400 (EDT)

From: Kr0i2@aol.com
To: TENTEC@contesting.com
Cc: qrp-l@Lehigh.EDU
Subject: [28565] For Sale - TenTec Delta II
Message-ID: <971011094834_-294408030@emout17.mail.aol.com>

Hi gang,

The fellow who wanted the Delta II has changed his mind so it is back on the market. Anyone interested in a extremely clean unit with matching 936 power supply, optional #303 fan kit, and 705 desk mike please contact me directly at kr0i2@aol.com. Asking \$875 which includes shipping within continental US. Rig is the big brother of the Argonaut II and can run QRP very easily!

73 de Mac, KR0I

Date: Sat, 11 Oct 1997 08:22:57 -0600
From: "Bob Follett" <bfollett@ditell.com>
To: "QRP-L Group" <qrp-l@Lehigh.EDU>
Subject: [28566] Building Season Is Here -- It's Snowing!
Message-ID: <199710111422.IAA15625@mars.ditell.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Gang:

I offically announce the beginning of indoor building season. The first storm of the year is dumping snow as I write....

Oh so early, too.

I had better lay in a big supply of slobber for the slobbering iron :-)

73, Bob

Bob Follett AB7ST, QRP-L # 129, NorCal, ARCI, 10-10, ARS
2861 Estates Dr. VOICE: 801.649.6457
Park City, UT 84060 E-mail: bfollett@ditell.com

Date: Sat, 11 Oct 1997 10:32:56 -0400 (EDT)
From: ARDUJENSKI@aol.com
To: qrp-1@Lehigh.EDU
Subject: [28567] CHANGES SUNDAY NITE N/T+ HUNT
Message-ID: <971011103255_1788332820@emout09.mail.aol.com>

This may not be HOYLE but I would like to try TWO CHANGES for Sunday evening
FOX HUNT:

- (1) FREQ: 7.125 mhz
- (2) 20 minute headstart for distant stations ("1"- "4" and AK and HI)

NOTE: Time is 0200-0400 UTC MONDAY which is 1900-2100 PDST

Explanations:

HEAD START: It is my understanding that we want to be able to "test" our equipment and encourage max participation. When distant stations routinely get blocked out we soon lose their participation. Giving them a sporting chance would encourage their participation (IT IS ONLY 20 MINUTES). It sort of evens the odds a little. 20 minutes is not that big a deal especially when the last hour the number really drops off and local stations have a better chance then anyways even if the band dies. I will TRY to give preference to you remote folks during the first 20 minutes.

SPLIT: I will use my RIT to look above and below for a "clear" station as well as right on frequency. Hopefully this will help spread the mess out.

FREQ: 7.120 is just too busy with regular QRO stations. Moving up a bit will give me a better chance of working more of you folks. I was looking at 7.14 but that may be too big a jump for many of you and is off some of your rig's range.

This may not be by the rules so shoot me, Im the FOX.

QRN has been a real problem here so be patient. I hope to have a new filter in if not this Sunday then next week.

My FOX QSL cards will be ready next week and I will start mailing them by the weekend. A little added incentive I hope for you to try to get a pelt. Some of you got an advance copy of the new card for review.

Alan KB7MBI

Date: Sat, 11 Oct 1997 07:58:35 -0700

From: Steve Miller <kg7pv@teleport.com>
To: qrp-l@Lehigh.EDU
Subject: [28568] Joy of QRP
Message-ID: <3.0.3.32.19971011075835.0068be18@mail.teleport.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I had forgotten this story but all the joy about the "Joy of QRP" second edition reminded me.

Several years ago I posted an Oak Hills Sprint rig for 40 meters for sale here locally on packet. An older ham called and came to visit the shack and operate the rig which is a version of the famous W7EL Optimised QRP rig (see ARRL Handbook 1993 or later and "QRP Classics").

He was getting back into QRP (or maybe just starting) and we talked for a long time and of course I got to show off my QRP rigs and various homebrew goodies. He bought the radio and then phoned to ask if I would be interested in a couple of books he had - extra copies.

Of course I replied yes as one goal of mine is to have ALL the radio (esp. QRP) books I can on the shelf. Several days later he stopped back by the house with two books: A perfect copy of Maxwell's book (title escapes me at the moment) and an equally perfect copy of "Joy of QRP". He refused \$\$ for the books no matter how much I insisted and we talked again about how much fun he was having using the little OHR Sprint.

Ham radio has brought me so much more than contacts, (and books!) the people I have met and gotten to know are the best part! 73

Steve Miller kg7pv@teleport.com Portland, OR
Norcal #308 QRP-L #109 ARCI #9230

Date: Sat, 11 Oct 1997 16:28:43 +0100
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: bfollett@ditell.com
Cc: qrp-l@Lehigh.EDU
Subject: [28569] Re: Building Season Is Here -- It's Snowing!
Message-ID: <199710111528.QAA07730@chuck.dallas.sgi.com>

Bob,

Hmmm, now are you teasing us or what? Glad to see that the color temperature profile that I keep watching the in wx section

of the Dallas Morning News is correct, since having interest in NW section of AZ now. :-)

I was looking at the new pricing and new kit from Oak Hills and ordered a new OHR100a and hope to have it built in time for Pacificon as soon as it arrives. My network went down Friday noon, so will post info on Monday morning for those that can't surf.

Funny that noone else mentioned the OHR100a except one person.

What you building?

Looks like the new kits are coming just in time.

dit dit

Chuck Adams K5FO CP-60 adams@sgi.com
<http://reality.sgi.com/adams/index.html>

Date: Sat, 11 Oct 1997 16:33:00 +0100
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: ARDUJENSKI@aol.com
Cc: qrp-1@Lehigh.EDU
Subject: [28570] Re: CHANGES SUNDAY NITE N/T+ HUNT
Message-ID: <199710111533.QAA07754@chuck.dallas.sgi.com>

Alan,

You are the fox. There are no rules other than you try everything within your power to be on at the right time, UTC or no. :-)

The frequencies are for starters and any fox can post a change for a starting place.

Keep up the good work. I recommend all the guys and gals get on and work you and then move off 10 KHz and work another Novice/T+.

But just a friendly reminder. You are the fox and THEY are trying to 'shoot' you.

gl
Chuck Adams K5FO CP-60 adams@sgi.com
<http://reality.sgi.com/adams/index.html>

Date: Sat, 11 Oct 1997 11:38:20 -0700
From: "Floyd Soo, W8RO" <hires@rust.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [28571] [Fwd: Building Season Is Here -- It's Snowing!]
Message-ID: <343FC79C.4A0@rust.net>
MIME-Version: 1.0
Content-Type: multipart/mixed; boundary="-----3EF36AD27A6A"

This is a multi-part message in MIME format.

-----3EF36AD27A6A
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I make the best of this time of season too! When I am not building,
operating or repairing, I am on my boards tearing it up on the slopes in
the Rockies and here in Michigan! :)

--
Floyd Soo, W8RO
President, HI-RES Communications, Inc.
Net Manager and Board Member, Collins Collectors Association (#002)
QRP-L #392
hires@rust.net
<http://www.rust.net/~hires>

-----3EF36AD27A6A
Content-Type: message/rfc822
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

Received: from fidoii.CC.lehigh.EDU (fidoii.CC.lehigh.EDU [128.180.1.4])
by Fe3.rust.net (8.8.5/8.8.5) with ESMTP id KAA11694
for <hires@rust.net>; Sat, 11 Oct 1997 10:43:41 -0400 (EDT)
Received: from Lehigh.EDU ([127.0.0.1]) by fidoii.cc.Lehigh.EDU with SMTP id
<35230-74656>; Sat, 11 Oct 1997 10:26:49 -0400
Received: from nss2.CC.Lehigh.EDU ([128.180.1.26]) by fidoii.cc.Lehigh.EDU with
ESMTP id <34885-74656>; Sat, 11 Oct 1997 10:26:19 -0400
Received: from mars.ditell.com (root@mars.ditell.com [207.179.54.4])
by nss2.CC.Lehigh.EDU (8.8.5/8.8.5) with ESMTP id KAA222559
for <qrp-l@lehigh.edu>; Sat, 11 Oct 1997 10:22:25 -0400
Received: from newmicronpc (usr1-34.ditell.com [207.179.54.234])
by mars.ditell.com (8.8.5/8.8.5) with ESMTP id IAA15625
for <qrp-l@lehigh.edu>; Sat, 11 Oct 1997 08:22:03 -0600
Message-Id: <199710111422.IAA15625@mars.ditell.com>
Date: Sat, 11 Oct 1997 08:22:57 -0600
Reply-To: bfollett@ditell.com

Sender: owner-qrp-1@Lehigh.EDU
Precedence: bulk
From: "Bob Follett" <bfollett@ditell.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: Building Season Is Here -- It's Snowing!
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
X-To: "QRP-L Group" <qrp-1@Lehigh.EDU>
X-MSMail-Priority: Normal
X-Priority: 3
X-Mailer: Microsoft Internet Mail 4.70.1155
X-Listprocessor-Version: 8.1 beta -- ListProcessor(tm) by CREN

Gang:

I offically announce the beginning of indoor building season. The first storm of the year is dumping snow as I write....

Oh so early, too.

I had better lay in a big supply of slobber for the slobbering iron :-)

73, Bob

Bob Follett AB7ST, QRP-L # 129, NorCal, ARCI, 10-10, ARS
2861 Estates Dr. VOICE: 801.649.6457
Park City, UT 84060 E-mail: bfollett@ditell.com

-----3EF36AD27A6A--

Date: Sat, 11 Oct 1997 11:37:29 -0400 (EDT)
From: DYARNES@aol.com
To: w7ls@brigadoon.com, qrp-1@Lehigh.EDU
Subject: [28572] Re: QRP flashlights!
Message-ID: <971011113728_1498272031@emout10.mail.aol.com>

In a message dated 97-10-10 05:29:48 EDT, w7ls@brigadoon.com (Jim W7LS) writes:

<< I stumbled onto a real QRP flashlight the other day. It is called

the Photon Microlight. They come in red, green, blue, yellow, and get this; WHITE!

They are all LED based, with a coin cell (Lithium 2036 cell). You can pinch them between your pointer finger and your thumb and hide them. Cool.

>>

Are these possibly like the ones sold at REI sporting goods stores (and possibly other similar stores)? I saw something there very similar to what you describe.

72 de David W7AQK

Date: Sat, 11 Oct 1997 08:38:09 -0700
From: Vic Rosenthal <rakefet@rakefet.com>
To: psykey@okcforum.org
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [28573] Re: CW/SSB ratio=18dB. How?....
Message-ID: <343F9D61.17001FD1@rakefet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jim Glover wrote:

>
> Dan, Y03DAN, asked:
>
> > Now I have some questions for you.
> > Mon, 04 Aug 1997, Vic K2VCO wrote:
> > > When you include the approximately 18 db advantage of
> > > CW over SSB, you see that the only limit is activity!
> >
> > 18dB it's a ratio, but what kind of ratio is? Why this value
> > and no 6 dB or 24 dB? How did you calculate this?

Here's the (informal) reasoning. You can copy a CW transmission using a receiver bandwidth about 22 times smaller than that required for an SSB signal (80 Hz vs 1800 Hz). Assuming that the noise which comes along with the signal is proportional to the bandwidth, you get a signal-to-noise ratio about 22 times better, which is (I think) 13 db. Hmmm, I don't know where 18 came from, but 13 is pretty good.

This assumes that the signals are stable enough to be copied in the minimum bandwidth, and the receiver has the selectivity required. The trade off, of course, is that the rate of information transferred by CW is lower, but we knew that already.

Vic K2VCO

Date: Sat, 11 Oct 1997 09:22:14 -0700 (MST)
From: Bob Hightower <ki7mn@dancris.com>
To: ARDUJENSKI@aol.com
Cc: qrp-l@Lehigh.EDU
Subject: [28574] Re: CHANGES SUNDAY NITE N/T+ HUNT
Message-ID: <199710111622.JAA08333@dancris.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 10:32 AM 10/11/97 -0400, you wrote:

>This may not be by the rules so shoot me, Im the FOX.
>

That's right....so do it your way :^). You're the one who has to sort out the mess, anyway.

73,
Bob, KI7MN Chandler, AZ ScQRPion QRP-L #271, NorCal #1228, CQC #274, QRP
ARCI #8918, AK QRP #30, not in any order of importance.
33.334500N -111.87260W
<http://www.dancris.com/~ki7mn>
WIMPS: QSO's=19 30=19 17=0 12=0 States=15/0/0 DX=0/0/0 QSL's=7

Date: Sat, 11 Oct 1997 17:03:33 -0700
From: Jeff Grudin <grudin@pacific.vdbs.com>
To: qrp-l@Lehigh.EDU
Subject: [28575] RE: Does your dog know CW
Message-ID: <344013D5.1FE7@vdbs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have a cat that had a broken leg. When I fixed it with pins and wires the post-op xray looked like a beam antenna, so I named him Yagi.

I don't think he knows CW, but when I transmit he does get a smile on

his face.

Hmm, I wonder.

--

73 de Jeff AC6KW
grudin@vdbbs.com

QRP-L #16 Private Practice : Companion Animals and
Exotics
Norcal QRP #1292 Ocean Animal Clinic / Cat Clinic of Santa
Cruz
 Santa Cruz,
California

QRP'ers do it with less energy (but lot's of enthusiasm)!

Date: Sat, 11 Oct 1997 10:20:50 +0000
From: Roger Hightower <n7kt@dancris.com>
To: grudin@pacific.vdbbs.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [28576] Re: Does your dog know CW
Message-ID: <343F5302.28F1@dancris.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jeff Grudin wrote:

>
> I have a cat that had a broken leg. When I fixed it with pins and wires
> the post-op xray looked like a beam antenna, so I named him Yagi.
>
> I don't think he knows CW, but when I transmit he does get a smile on
> his face.
>
> Hmm, I wonder.

It's probably all those pins and wires giving him a buzz from the RF it
picks up, :-)

--

72/73, de Roger, N7KT
AK-QRP 167, ARCI 8946, CQC 176, GQRP 9081, NE-QRP 383, NORCAL 1099,
QRP-L 62

Date: Sat, 11 Oct 1997 13:20:40 EDT
From: w4bws@juno.com (Donald E Sanders)
To: dlevans@hsonline.net
Cc: qrp-1@Lehigh.EDU
Subject: [28577] Re: sw listening
Message-ID: <19971011.133248.2839.0.W4BWS@juno.com>

I can be counted in this group but it was 1948 and I was 8 years old- I had a big Silvertone radio in the living room with the shortwave bands on it and used to listen to the hams on 80 and 40. I got really interested when I heard a fellow tell another how to get to his house and realized it was less than a mile from mine. Hopped on my bike and almost beat the other fellow. They were very hospitable to just a kid and became my Elmer's. They helped me build a Meissner short wave kit receiver that was advertised in Boy's Life magazine and I used to listen to the hams and shortwave every nite. It was easier to copy code with the super regen receiver. I still have the Meissner Rx. Then I went big time when they helped me convert a 40 meter ARC-5 receiver from Fair Radio. So I have helped many since the same way.

Donald E. Sanders W4BWS
694 E. Eau Gallie Blvd. Satellite Beach, Fl 32937
407-779-0222 Fax 407-779-0830
E-mail to w4bws@juno.com
My favorite QRP rig glows in the dark

On Fri, 10 Oct 1997 00:22:13 -0400 "Daniel L. Evans"
<dlevans@hsonline.net> writes:
>>YMMV (Your mileage may vary). Wonder how many other hams got their
>>start as SWLers?
>>
>>Cheers de AB7TT,
>
>I could be counted in that group!
>
>Dan, N9RLA
>Dan L. Evans [N9RLA]
>dlevans@hsonline.net
>
>
>

Date: Sat, 11 Oct 1997 13:20:40 EDT
From: w4bws@juno.com (Donald E Sanders)
To: rsealey@InfoAve.Net
Cc: qrp-1@Lehigh.EDU
Subject: [28578] Re: sw listening
Message-ID: <19971011.133248.2839.1.W4BWS@juno.com>

Rick, thanks for the brief review- I was considering the 909 purchase for traveling and casual listening but now think the 7600G would be a better choice. Guess I'll check what RS has on sale then call EEB. Thanks.

Donald E. Sanders W4BWS
694 E. Eau Gallie Blvd. Satellite Beach, Fl 32937
407-779-0222 Fax 407-779-0830
E-mail to w4bws@juno.com
My favorite QRP rig glows in the dark

Date: Sat, 11 Oct 1997 12:24:31 -0500
From: Jim <kj5tf@mctc.com>
To: qrp-1@Lehigh.EDU
Subject: [28579] Arkansas QRP Nets - mobile
Message-ID: <343FB64F.6360@mctc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Heres a typical new member of our little QRP club. If you have never checked into a QRP net, or have never been QRP MOBILE you're missing allot of FUN!

To be a member of AR QRP its EZ, FREE membership, no dues, no officers, and a free email newsletter. Just send me an email.

Nets are every monday 7:30PM central on 3,560mHz, and 7:30PM tuesdays on 7.042-43mHz. We will call "QNI" and you send in your call, then you will be recognized, and asked to wait as more checkin. Try to have some little short bit of info everyone will like to hear. Your latest QRP rig, antenna, the latest DX you worked, and the current station your useing, power, and rig. Its interesting for us all that way.

Thanks, 72/3'z de Jim AR QRP #2

Hi Jim,
My name is David Nease, the call is KB9IOT. I am interested in joining the AR QRP Club. I run an MFJ 9040 Qrp rig in my semitruck and enjoy working Qrp mobile. Look forward to getting on your net hope we can make

frequent
contacts on 40 meters. Tnx and 73s

Date: Sat, 11 Oct 1997 13:49:06 EDT
From: n4so@juno.com (charles k brown)
To: qrp-l@Lehigh.EDU
Subject: [28580] Calling the Fox/Single call
Message-ID: <19971011.004556.4383.3.n4so@juno.com>

Here is a suggestion for calling the Fox.

de (your callsign) listen listen listen

A properly timed call of short duration and listening for
a response is more important than anything you can do.

Ken Brown, N4SO
QTH nr Mobile, AL/ EM50tk
qrp-l #622
n4so@juno.com

Date: Sat, 11 Oct 1997 14:02:08
From: Gary M - W2UX <MAIL4GARY@worldnet.att.net>
To: qrp-l@Lehigh.EDU
Subject: [28581] Heath HWA-7-1 case - F.S. Cheap
Message-ID: <3.0.1.16.19971011140208.33a716a8@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I still have one HWA-7-1 case left. All the perfect ones are gone. I have
one left that has some scuff/scratches on the case. Faceplate is perfect
as is the rear printing. All lettering is perfect. \$5.00 Shipped.

Thought someone might want it.

.
=====

73 / 72	QRP ARCI # 8911
Gary - W2UX	QRP-L # 593
Lexington, SC	CQC #413

(EX: WA2UAX)

CW is the REAL THING! Use it or lose it.

=====

Date: Sat, 11 Oct 1997 15:45:25 -0400
From: Michael <MichaelN@cycat.com>
To: qrp-l mailing list <qrp-l@Lehigh.EDU>
Subject: [28582] Re: CW/SSB ratio=18dB. How?....
Message-ID: <343FD755.51EA@cycat.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

rakefet@rakefet.com wrote:

> This assumes that the signals are stable enough to be copied in the
> minimum bandwidth, and the receiver has the selectivity required. The
> trade off, of course, is that the rate of information transferred by CW
> is lower, but we knew that already.
>
> Vic K2VCO

Haven't listened to much SSB on the bands lately? :-)

Most of the conversations I hear on radio (or TV, or other)
don't contain enough intelligence to fill up a 20 wpm bandwidth.

I seem to notice an inverse relationship between the bandwidth used
and the amount of information/intelligence transmitted.

Try it for yourself, watch some TV (very high bandwidth) and see how
much
you see and hear that is usefull. :-))

michael N6CHV

Date: Sat, 11 Oct 1997 16:09:30 -0700
From: "Floyd Soo, W8RO" <hires@rust.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [28583] [re: sw listening]
Message-ID: <3440072A.C0E@rust.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

All this talk about SWLing has brought back a lot of great memories! As a junior high school student in the mid-60s, I spent many hundreds of hours snooping around the SW bands. I heard the usual B'cast, commercial, amateur, even military stations. Pirate stations and other clandestine stations from behind the iron curtain were fun to chase too! It all started when I would go over to my grandmother's house. She had a nice AM/FM/SW tabletop radio, either a Grundig or Blaupunkt. My uncle was in the Signal Corp, so I would ask him what all the different noises were. He really didn't know, cuz once he got out of the military, he didn't do anything else with radio. I eavesdropped on the VHF aircraft band quite a bit too...

I did eventually build a Heathkit SB-310 receiver. It was the SWL version of the of the famed SB-301 ham receiver. What a ball I had with that! I stayed interested in radio all thru high school and college, but didn't get licensed until the 80s, due to girls, cars, motorcycles, airplanes, karate, skiing, boats, etc, etc.

Sorry for the BW, tnx for the nostalgia!

BTW, for some great info on SWL receivers, try this URL:

http://www.rnw.nl/realradio/rx_index.html

It has some great info on it!

73,
Floyd Soo, W8RO
President, HI-RES Communications, Inc.
Net Manager and Board Member, Collins Collectors Association (#002)
QRP-L #392
hires@rust.net
<http://www.rust.net/~hires>

Date: Sat, 11 Oct 1997 16:18:01 -0400
From: Paul Helbert <phelbert@rica.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [28584] Another component question
Message-ID: <343FDEF8.3374B2FA@rica.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Gentlemen,

Thanks for the responses about the NTE 295 Transistor.

I can't find (in my ARRL Handbooks) the difference in a ceramic capacitor and a monolithic capacitor. The 0.1mF mono caps from Radio Shack say "monolithic dip ceramic capacitors" on the packaging. I suspect the mono cap is a ceramic cap whose quality (tolerance, stability etc.) is compromised in favor of small size...am I right? If so, I should be able to substitute a disc ceramic when I can't find a mono cap in a kit, right?

Thanks to all.

Paul, Wv3j

Date: Sat, 11 Oct 1997 13:13:53 -0700 (PDT)
From: camqrp@cyberg8t.com (Cam Hartford)
To: qrp-1@Lehigh.EDU
Subject: [28585] QRP Contest Calendar
Message-ID: <199710112013.NAA05378@key.cyberg8t.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

QRP Contesters -

Dave Johnson, WA4NID, the ARCI Web Page Meister, has put together a contest calendar on the ARCI Web page, <http://RTPnet.org/~qrp/>. The calendar lists both dates and rules of QRP related contests. If your group wants to post your contest rules there, contact Dave at djohnson@acpub.duke.edu, and he'll be happy to include them on the web page.

72/73,

Cam N6GA

Date: Sat, 11 Oct 1997 14:23:15 -0600 (MDT)
From: bcutter@teal.csn.net (Bob Cutter)
To: kfglynn@prodigy.net
Cc: qrp-1@Lehigh.EDU
Subject: [28586] Re: Pixie Sidetone/club pj1.
Message-ID: <199710112023.0AA27608@ns-1.csn.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I just passed out our Pixie kits at the club meeting this morning. I included color burst crystals and a 5.0 MHz crystal for WWV. Works plug-in on my unit, gives the no-code folks something to listen to and makes a great way to test the unit.

72, Bob KI0G

>Hi Frank, Chuck and gang,
>
>Please let me know how you managed this as well. I'm getting at least 10+
>local club members involved in building the Pixie II in a couple of weeks.
>
>I appreciate the help.
>
>72 Kevin N2T0
>Brooklyn, NYC
>kfglynn@prodigy.net

Date: Sat, 11 Oct 1997 16:55:36 -0400
From: Ed Tanton <n4xy@bellsouth.net>
To: phelbert@rica.net
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [28587] Mono vs Ceramic Caps
Message-ID: <3.0.1.32.19971011165536.00ae3a10@mail.atl.bellsouth.net>
Mime-Version: 1.0
Content-Type: text/enriched; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

There isn't a lot of difference, except your suspicion is backwards. Modern monolithics are VERY good capacitors. Usually epoxy coated, they are-as far as I know-equal and usually a little superior to ceramics (their mfg. tolerances are usually tighter/better, they are more resistant to value change from moisture, and I suspect their

value-to-tolerance over time longevity is superior.) While I wouldn't *like* substituting a ceramic for a mono, I doubt you'd ever know the difference (except that you *should* not sub an NPO for a regular mono, and *must* not sub a mono for an NPO [wrong temp curves.]) Given the choice between-otherwise equal value-monolithic and ceramic caps, I'd *use* the mono. If it was late at night, and I only had a ceramic, or if I needed higher voltage values (*most* common monos stop @ 50V) then sure, I'd use the ceramic. I'd just *prefer* a mono. I recently did a similar comment on cap substitution on the Collins reflector... I'll list it below since it is related.

This is a comment on the use of 3 capacitors in parallel at critical bypass points:

///quote

Hi Chuck... the theory was there-and then some-when this was presented in Electronics Design sometime in the late 70s... they used 3 caps however. The statement was simply that the three caps were VERY much more effective than any ONE would have been, and that they represented multiple values according to what "stuff" went at them, so to speak. The bottom line was not merely effective, but much more effective... and I think the math and the graphs were shown. You wouldn't do it everywhere... I suspect there is a diminishing return on value vs cost at most nodes, but use it when you want the most efficacy, cost-be-damned. I once ran some ESR tests to try and determine the most effective single CK05 bypass: 0.001/0.01/0.1 for our MIL CMOS/TTL/LSTTL/etc. circuits, and the bottom line-surprisingly-was the 0.1 had the lowest overall ESR over the range of frequencies we were concerned with as trouble (the RF stuff was generally microwave) but the potential self osc. and other problems that might make their presences known from certain sweeping and blocking oscillators were LF-HF and the good old monolithic 0.1uFd CK05BX104JAN was easily the winner. Mostly based on its higher freq performance being OK and the LF performance of the 0.01 & 0.001s not being nearly as good in overall perspective. Actually, around most regulators and other DC places I REALLY want good QRN suppression, I usually use 4 caps: .001-1.0-with the 1.0 a tantalum... AND a molded ferrite-on-a-wire then in series with the line. Never seen it fail!

///quote

The CK05BX104 mentioned above is a monolithic epoxy encapsulated (as

opposed to coated) MIL cap that works like a million \$\$\$ over most of 'our' HF frequency range. They *were* relatively expensive @ >\$1 each, but those prices these days are down to <<\$0.40 in onesies, and even less as surplus-and available through that channel.

P.S. There *ARE* HV monolythis caps... they are great caps... but they are not common-beyond some of the TV plate blocking caps-and so I ignore them (for this discussion) as 500-600V ceramic cap replacements for example.

72/73 ZUT!!!

Ed Tanton N4XY EMAIL: n4xy@bellsouth.net =20

189 Pioneer Trail

Marietta, GA 30068-3466 TEL: (770) 579-3933 V/MBX/FAX

QRP-ARCI #7663 G-QRP #6779 OK-QRP #172 QRP-L #758

AdvRC #140 NORCAL #1779 NCDXF SEDXC

Life Member: ARRL AMSAT INDEXA QCWA

INTERESTS: DX QRP BoatAnchors Test Equipment Photography

CW: 99.9% QRP: 95-100% (Mood swings!) Mercury Paddle #0214

"Think you can, think you can't: either way you're right!" Henry Ford

Date: Sat, 11 Oct 1997 16:57:43 -0400
From: Randy Hargenrader <randyh@harksystems.com>
To: qrp-l@Lehigh.EDU
Cc: klqrp@acpub.duke.edu, ae4ic@nr.infi.net
Subject: [28588] Pixie Contest Announcement
Message-ID: <343FE847.3298@harksystems.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

QRP-Ler's and Friends...

★ A PRELIMINARY ANNOUNCEMENT ★

Announcing the Pixie/40-9er Contest sponsored by the KnightLites!
Start building those Pixies and tune up those 40-9ers! The week long
format will be held the week between Christmas and New Years.
Points will be weighted in favor of the Pixies and 40-9ers
but there will be winners in other categories too! Last years'
contest using 40-9ers was a hoot! This one should be just as
much fun!

First Prize in the Pixie category will be a Radio Adventures Corp.
Digital Dial! For the ops of "other" radios we will have Tick Keyers
to reward you for making the effort to work the host of Novelty
Radios that will be on the air!

Rules will be similar to last years' 40-9er contest. Basically, the
contest runs for a couple hours each evening. You will turn in your
best few nights of operating. Should be fun!

Stay tuned for further developments!

--

73, Randy WJ4P
Knightlites QRP-L #296

Date: Sat, 11 Oct 1997 14:05:41 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: qrp-l@Lehigh.EDU
Subject: [28589] Joy Oh Joy of QRP
Message-ID: <3.0.1.32.19971011140541.006c8fbc@telis.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Guys, the secret is now out about the reprint of "Joy of QRP". I have known about this since June, and was sworn to secrecy, but now the official announcement is out and I can talk about it.

This is absolutely the finest book on QRP that I have ever read. I have owned two copies in my life, one that was one of the first dozen or so shipped by Ade and autographed to me. I had ordered the book and waited months for it to arrive. During the wait, I called Ade and he explained the delay with the original printing. (Something that I was to learn a lot about in later years, believe me!!) He offered to send my money back, but I told him no, that I wanted the book. A few months passed, and then one day it arrived. I opened the front cover, and there was a personalized autograph from Ade himself, to me, WB0YVK at that time. Gosh, I was floored. The book was and is wonderful to read. Then, I moved to California in 1985, and somehow I lost the book in the move. I was devastated with the loss. Then Jim Cates and I became friends, and I mentioned to Jim that I would pay \$50 for a pristine copy. On the first anniversary of NorCal, Jim handed me a sack and said there was a present inside. I opened the sack, peeked inside, and there it was. A pristine, mint copy of "Joy of QRP". My search was over. The best friend that I have in the world gave me a copy of "Joy of QRP" to replace the one that I lost. It is a day that I will cherish all of my life. Good friends and good books are an unbeatable combination.

Guys, only 1000 copies of the second edition of "Joy of QRP" have been printed. There are 2500 members of this list. They all know about it. Let me let you in on another secret. There are 2500 members of NorCal. Jim and I are including a flyer that has ordering information for "Joy of QRP" in every issue that will mail in the next two weeks. We are doing this out of respect for Ade Weiss, and to encourage him in his endeavor. It is our way of saying thank you to one of the pioneers of QRP. QRPP does not accept advertising, but we felt that this was such a monumental event in QRP that we had to do something to let our subscribers know about it. Jerry Parker is also putting the information on the NorCal Web page.

What does this mean. He who hesitates is lost. If you don't act now, you will learn the meaning of finite supply. Nothing lasts forever. If you want it, act now. I hereby give my highest recommendation to anyone considering buying "Joy of QRP".

By the way, I am not connected in any way with Ade Weiss. He is a friend, but he did not ask me for this posting, to have the information on the web page, or to have the flyer put in the fall issue of QRPP. I don't get any remuneration of any type.

72, Doug, KI6DS

Date: Sat, 11 Oct 1997 22:11:29 +0100
From: John Anthony Reynolds <D2250077@infotrade.co.uk>
To: "'gqrp-1@blacksheep.org'" <gqrp-1@blacksheep.org>
Cc: "'qrp-1@lehigh.edu'" <qrp-1@Lehigh.EDU>
Subject: [28590] Delta Loops
Message-ID: <01BCD693.31BDF340@default>

Hi All,

very many thanks to all those who have contributed to my original request for observations on Delta Loops, especially LB (W4RNL) who has given me the clue as to why my Loop was not functioning as it should. When the rain stops I hope to modify the feedpoint to be a 1/4 wave from the apex.

The reason why I am perservering with the Loop is because for the past 6 months I am suffering from severe pulse and carrier interference from the local TV cable network, my tests on this interference has shown that it is mainly horizontally polarised and the loop reduces the noise floor level to an acceptable level.

As an aside, do you guys in the USA suffer the excessive QRM which we get in Europe from the Digital Brigade on 14.060. (They operate anywhere from 14.055 to 14.125Mhz) The main offenders seem to be using Pactor, Amtor etc.

Hope to keep on reading your observations on Loops

John G3PT0 GQRP 595
Chipping Sodbury
South Gloucestershire

Date: Sat, 11 Oct 1997 17:31:37 -0400
From: "Bob Edwards, W4ED" <w4ed@flash.net>
To: phelbert@rica.net
Cc: qrp-1@Lehigh.EDU
Subject: [28591] Re: NTE 295 What is its equivalence?
Message-ID: <343FF039.199E@flash.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Paul, WV3J wrote:

>....I have a couple of devices in T0-220 cases....

If it is the same # 295 as what I'm looking at, then :

SK3253, NPN Si Transistor, CB Driver/Outpt (RF)

Pt 5 W
Ic 1.6 A
Vcho 80 V
Vceo 50 V
Vebo 6 V
hfe 200
ft 250 mhz

These were printed on the package envelope, whether these are nominal, min, max is not clear.

--

top view

```

-----
|       |
|       |  T0-126
+-----+
| | |
| | |
E C B

```

Bob 72/73

<http://www.qsl.net/w4ed>

W4ED nr Atlanta @EM73wt

...."QRP", more from less....

```

      / |
     /  |
    /   | \
   /    |  \
  /_ | _ | _ \
  [ \ - - - - - /

```

Date: Sat, 11 Oct 1997 16:43:43 -0500

From: "Jerry E. Davis Jr." <jdkb5eko@flash.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [28592] Re: Alaska FOX-L Award - Announcement de AL7FS

Message-ID: <199710112144.QAA28854@endeavor.flash.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 7bit

hi all im leaving for a couple of weeks, i cant find the address to
unsubscribe could someone send it to me

Date: Sat, 11 Oct 1997 18:33:55 -0400 (EDT)
From: DYARNES@aol.com
To: MichaelN@cycat.com, qrp-l@Lehigh.EDU
Subject: [28593] Re: CW/SSB ratio=18dB. How?....
Message-ID: <971011183353_1833830627@emout06.mail.aol.com>

In a message dated 97-10-11 15:47:54 EDT, MichaelN@cycat.com writes:

<< Try it for yourself, watch some TV (very high bandwidth) and see how
much
you see and hear that is usefull. :-)) >>

An excellent point, Michael! I tend to agree. However, I hope the
antithesis of your argument isn't necessarily that "useful stuff" can be
found on lower bandwidths, such as AM radio where Rush Limbaugh (YUK!!)
resides!!!

Now, a point for the opposing view would be the excellence to be found on
National Public Radio, or NPR as it is usuall called (usually on FM which is
pretty high bandwidth--at least higher than channels 2-6). Now before
everyone jumps me about relevance, remember that NPR usually is (at least
comparatively speaking) "QRP" FM radio! I confess to a similar fondness for
Public Television, but I rarely watch other network TV anymore.

72 de David W7AQK

End of QRP-L Digest 875

